

Study of the initial stage of...

S/064/62/000/003/002/007  
B110/B101

the beginning of the reaction at 10 atm from 490 to 390°C, at 20 atm from 470 to 400°C. A pressure increase from 1 to 20 atm at 500 and 600°C increases the amount of the reacting oxygen. Conversion becomes more rapid at 500°C, passes through a maximum at 600°C, and decreases again at 700°C. At 1 atm and 500 - 600°C the  $\text{CO} + \text{H}_2$  yield from 1 l methane is ~0.5 l, at 1 atm and 527 and 627°C (equilibrium) it is 1.99 and 2.59 l. At 1 atm and 500 - 600°C that catalyst is not reduced on which only  $\text{CO}_2$  and water vapor are formed. At 700°C and 1 atm the catalyst is reduced and the degree of conversion and the yield in  $\text{CO} + \text{H}_2$  are almost in equilibrium. Conversion on the reduced catalyst decreases with increasing pressure. Methane conversion decreases from 39.5 to 36.4; as the rate increases from 15,200 to 33,800  $\text{hr}^{-1}$  at 20 atm and 500°C. It reaches equilibrium at 500 - 700°C, 10 - 20 atm and 0.06 - 0.2 sec contact. If a reduced Ni catalyst is used the temperature required for the equilibrium drops by 100°C. Methane conversion on the selective Ni catalyst under increased pressure prevents the formation of high temperatures in the input zone of the converter. There are 7 tables. The English-language reference reads as follows: R. Kennedy, G. Scott, M. Zabetakis, Chem. Eng. Progr., 53, no. 3, 125-M (1957). ✓

Card 2/2

LEYBUSH, A.G.; SHORINA, Ye.D.; Prinimali uchastiye: GORBAN', S.M.; IL'INA, R.A.

Study of the initial stage of the process of methane conversion  
at high pressure. Khim.prom. no.3:159-165 Mr '62. (MIRA 15:4)  
(Methane) (Oxidation) (Catalysts)

LEVINSON, A.G.; KHORUNA, Ye.P.; GGRANAT, B.D.

Using the method of catalytic conversion of butane under low  
pressure for the production of hydrogen. Khim.prom. 41 no.7:500-  
505 Jul '65. (MIRA 18:8)

S/062/60/000/011/001/016  
B013/B078

AUTHORS: Makarov, S. Z., Arnol'd, T. I., Stasevich, N. N.,  
Shorina, Ye. V.

TITLE: Study of Systems With Concentrated Hydrogen Peroxide.  
Report 21: The Ternary System  $\text{Cu}(\text{OH})_2\text{-H}_2\text{O}_2\text{-H}_2\text{O}$

PERIODICAL: Izvestiya Akademii nauk SSSR. Otdeleniye khimicheskikh  
nauk, 1960, No. 11, pp. 1913 - 1920

TEXT: The formation of copper-peroxide compounds has been studied in relation to the effect of hydrogen peroxide upon the active (e.g., "blue") copper hydroxide.  $\text{H}_2\text{O}_2$  of different concentrations which had been carefully purified by vacuum distillation and chemically pure copper hydroxide freshly prepared from  $\text{CuSO}_4 \cdot 5\text{H}_2\text{O}$  were used as starting materials. The investigation was done by the conventional solubility method at  $-30^\circ$ ,  $-20^\circ$ ,  $0^\circ$ , and  $20^\circ\text{C}$ . Results of the chemical analysis of liquid phases and of the residue were entered into the Gibbs triangle -  $\text{CuO} - \text{H}_2\text{O} - 0.5\text{O}_2$  act: for  $-30^\circ\text{C}$  Fig.1, Table 1; for  $-20^\circ\text{C}$

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Study of Systems With Concentrated Hydrogen Peroxide. Report 21. The Ternary System  $\text{Cu}(\text{OH})_2\text{-H}_2\text{O}_2\text{-H}_2\text{O}$

S/062/60/000/011/001/016  
B013/B078

Fig.2, Table 2; for  $0^\circ\text{C}$  Fig.3, Table 3; for  $20^\circ\text{C}$  Fig.4, Table 4. A new compound with a high active oxygen content ( $\text{CuO}_2\cdot\text{H}_2\text{O}_2\cdot\text{H}_2\text{O}$ ) was found besides the familiar copper oxide compound  $\text{CuO}_2\cdot\text{H}_2\text{O}$ . The new compound is formed in the liquid phase at an increased  $\text{H}_2\text{O}_2$  concentration. The boundaries of the solid phases - ice,  $\text{Cu}(\text{OH})_2$ ,  $\text{CuO}_2\cdot\text{H}_2\text{O}$ , and  $\text{CuO}_2\cdot\text{H}_2\text{O}_2\cdot\text{H}_2\text{O}$  are fairly easily determined by investigating the residue if one does not consider the solubility of  $\text{Cu}(\text{OH})_2$  in the liquid phase. To plot the complete isothermal lines of solubility, the variations of solubility of  $\text{Cu}(\text{OH})_2$  in the liquid phase at  $0^\circ\text{C}$  and  $-20^\circ\text{C}$  were systematically investigated (Figs. 5 and 6, Tables 5 and 6). At  $0^\circ\text{C}$  the solubility of  $\text{Cu}(\text{OH})_2$  in water amounts to  $0.23\cdot 10^{-4}\%$ . At the points of coexistence of two solid phases a considerable increase of solubility is observable. With  $\text{Cu}(\text{OH})_2 + \text{CuO}_2\cdot\text{HO}_2$  there are about  $12.0\cdot 10^{-4}\%$   $\text{CuO}$

Card 2/3

Study of Systems With Concentrated Hydrogen  
Peroxide. Report 21. The Ternary System  
 $\text{Cu}(\text{OH})_2\text{-H}_2\text{O}_2\text{-H}_2\text{O}$

S/062/60/000/011/001/016  
B013/B078

and with  $\text{CuO}_2\cdot\text{H}_2\text{O} + \text{CuO}_2\cdot\text{H}_2\text{O}_2$  about  $9.51\cdot 10^{-4}\%$  CuO are dissolved. A similar process is seen in the solubility diagram at  $-20^\circ\text{C}$ :  
 $\text{CuO}_2\cdot\text{H}_2\text{O} + \text{CuO}_2\cdot\text{H}_2\text{O} - 8.76\cdot 10^{-4}\%$  CuO. There are 7 figures, 6 tables, and 6 references: 1 Soviet.

ASSOCIATION: Institut obshchey i neorganicheskoy khimii im.  
N. S. Kurnakova Akademii nauk SSSR (Institute of General  
and Inorganic Chemistry imeni N. S. Kurnakov of the  
Academy of Sciences USSR)

SUBMITTED: June 15, 1959

Card 3/3

8716 4

S/062/60/000/012/001/020  
B013/B055

5.4110

2209, 1087, 1043

AUTHORS: Makarov, S. Z., Arnol'd, T. I., Stasevich, N. N., and  
Shorina, Ye. V.

TITLE: Investigation of Systems With Concentrated Hydrogen Peroxide.  
Communication XXII. Thermal Analysis of Copper-peroxide Com-  
pounds

PERIODICAL: Izvestiya Akademii nauk SSSR. Otdeleniye khimicheskikh nauk,  
1960, No. 12, pp. 2090-2095

TEXT: The present paper is a study of solid phases of the peroxide type  
found during the investigation of the ternary system  $\text{Cu}(\text{OH})_2 - \text{H}_2\text{O}_2 - \text{H}_2\text{O}$ .  
Thermal analysis and dehydration over phosphorus pentoxide showed that the  
heating process is accompanied by the decomposition of these compounds.  
The role of water in the liquid phase acts as initiator of this decomposition.  
The heating curves of  $\text{Cu}(\text{OH})_2$  (Fig. 1),  $\text{Cu}(\text{OH})_2 \cdot \text{H}_2\text{O}_2$  (Fig. 2),  $\text{Cu}(\text{OH})_2 \cdot \text{H}_2\text{O}$  (Fig. 3), and  
 $\text{Cu}(\text{OH})_2 \cdot \text{H}_2\text{O}_2 \cdot \text{H}_2\text{O}$  (Fig. 4) were taken with the aid of a thermogravimetric  
balance with differential recording at a heating rate of 6 deg/min. 12

Card 1/5

87164

Investigation of Systems With Concentrated Hydrogen Peroxide. Communication XXIII. Thermal Analysis of Copper-peroxide Compounds S/062/60/000/012/001/020 B013/B055

the copper-peroxide compounds studied, anhydrous  $\text{CuO}_2$  which decomposes at  $110 - 120^\circ\text{C}$  with formation of  $\text{CuO}$  and  $\text{O}_2$  was found to be the most stable. From its behavior at thermal decomposition,  $\text{CuO}_2 \cdot \text{H}_2\text{O}$ , which is less stable, may be considered not a hydrate of  $\text{CuO}_2$ , but a compound of  $\text{Cu}(\text{OOH})(\text{OH})$ .  $\text{CuO}_2 \cdot \text{H}_2\text{O}_2 \cdot \text{H}_2\text{O}$ , a perhydrate of the former copper peroxide,  $\text{Cu}(\text{OOH})(\text{OH}) \cdot \text{H}_2\text{O}_2$  is the least stable. It was obtained for the first time. This compound is valuable inasmuch as the presence of bound  $\text{H}_2\text{O}_2$ , under certain dehydration conditions, enables the preparation of higher-quality copper on a wide basis. The compound might also be used as active oxygen-containing catalyst. The changes in the chemical compositions during dehydration of  $\text{CuO}_2 \cdot \text{H}_2\text{O}$  and  $\text{CuO}_2 \cdot \text{H}_2\text{O}_2 \cdot \text{H}_2\text{O}$  are illustrated in Figs. 5 and 6 respectively. By careful drying at low temperatures and using small weighed portions of ~5 g it was possible to obtain products of stable composition: 81.6%  $\text{CuO}$ , 11.90% active  $\text{O}_2$ , and 6.5%  $\text{H}_2\text{O}$ , which contain free  $\text{CuO}_2$  ( $\text{CuO}_2$  contains 83.26%  $\text{CuO}$  and

Card 2/3



Study of some semiconducting compounds and phases based on boron.  
E. S. Medvedeva, A. A. Reshchikova, A. A. Yelisseyeva, A. A.  
Babitsyna, G. D. Mitkina, Ya. Kh. Grinberg, Ye. V. Shorina.

Report presented at the 3rd National Conference on Semiconductor Compounds,  
Kishinev, 16-21 Sept 1963

Abstract, No. 12; Abstracts, No. 1.

Abstract: Abstracts, No. 1.

Concerning the article "Photo setting after the increase of the capacity coefficient (cos  $\phi$ ) in industry". Atom. energ. 2, No. 2, 1952.

Monthly List of Russian Accessions, Library of Congress, April 1952. UNCLASSIFIED.

SOV/100-59-10-8/12

14(2)

AUTHOR: Shorkov, V.P., Engineer

TITLE: Complex Mechanization of Construction Work Pertaining to Fisheries

PERIODICAL: Mekhanizatsiya stroitel'stva, 1959, Nr 10, pp 26-27 (USSR)

ABSTRACT: The fish industry belongs to the industries to which modernization and mechanization have not yet been applied, as far as construction of ponds are concerned. As a rule they are established in places not suitable for agricultural or farming purposes and frequently are not accessible to heavy earth work machinery, such as bulldozers, graders and tractors of the normal type. Moreover, the dams required to be built around the fish ponds are only 1 1/2 to 4 m wide; very often they are located in marshy land which presents another difficulty to using heavy machines. For mechanized work under such conditions special machines are required whose load on the ground does not exceed 0.2 kg/cm<sup>2</sup>. Therefore in the first place light excavators and light bulldozers are needed for work in swamps. Very useful would also be small light tractors with a bull-

Card 1/2

Complex Mechanization of Construction Work Pertaining to Fisheries

SOV/100-59-10-8/12

dozer as mounted equipment and light trailers.  
There is one table.

Card 2/2

KASPIN, B.A.; KIPPER, Z.M.; MIKHALCHENKOV, G.N.; MOREV, A.N.;  
CHERNOV, P.G.; SHORKOV, V.P.; VELICHKO, Ye.M., red.

[Designing and building fish farms and fish hatcheries]  
Proektirovanie i stroitel'stvo rybovodnykh khoziaistv i  
zavodov. [By] B.A. Kaspin i dr. Moskva, Izd-vo "Pishche-  
vaia promyshlennost'," 1964. 365 p. (MIRA 17:5)

SHORLUYAN, P.M., dotsent

Traumatic aneurysm of the hepatic artery. Khirurgiia no.6:73  
Je '54. (MIRA 7:9)

1. Iz fakul'tetskoy khirurgicheskoy kliniki Rostovskogo-na-Donu  
meditsinskogo instituta i khirurgicheskogo otdeleniya Taganrogskoy  
gorodskoy bol'nitsy.

(ARTERIES, HEPATIC, aneurysm,  
\*traum., surg.)

(ANEURYSM,  
\*hepatic artery, traum., surg.)

SHORLUYAN, P.M., dotsent

Extension and division of short stumps of the forearm with  
cutaneo-osseous grafting. Ortop.travm.protez, Moskva, no.1:  
80-81 Ja-F '55. (MLRA 8:10)

1. Iz fakul'tetskoy khirurgicheskoy kliniki (zav.-prof.  
B.Z. Gutnikov) Rostovskogo meditsinskogo instituta.

(AMPUTATION STUMP,

kineplasty, extension & division of short stumps  
of forearm with cutaneo-osseous grafts)

SHORLUYAN, P.M., dotsent.

Pneumourethroscope. Urologia no.3:90-93 J1-S '55. (MLRA 8:10)

1. Iz kliniki fakul'tetskoy khirurgii (zav.prof. B.Z.Gutnikov)  
Rostovskogo meditsinskogo instituta.  
(UROLOGY, apparatus and instruments  
pneumourethroscope)



SHORLUYAN, P.M., dotuont.

Adenoma of the carotid gland. Khirurgiia, no.11:50-53 N '55.

(MLRA 9:6)

1. Iz kliniki fakul'tetskoy khirurgii (zav.-prof. B.Z. Gutnikov)  
Rostovskogo-na-Donu meditsinskogo instituta.

(CAROTID BODY, neoplasms

adenoma. clin. aspects, surg. & pathol.)

(ADENOMA,

carotid body, clin. aspects, surg. & pathol.)

SHORLUYAN, P.M., odtsent

One-stage transvesical prostatectomy with blind suture or with suprapubic drainage of the bladder in prostatic hypertrophy. Urologiia 21 no.2:3-6 Ap-Je '56. (MLRA 9:12)

1. Iz kliniki Fakul'tetskoy khirurgii (zav. - prof. B.Z.Gutnikov) Rostovskogo-na-Donu meditsinskogo instituta.  
(PROSTATE HYPERTROPHY, surgery,  
transvesical, with blind suture or with prepubic drain.  
(Rus))

SHORLUYAN, P.M., dotsent (Rostov-na-Donu, 30 Linniya, d.20)

Cancer of the common bile duct. Nov.khir.arkh. no.1:76-77  
Ja-F '57. (MLRA 10:6)

1. Kafedra fakul'tetskoy khirurgii (zav. - prof. B.Z.Gutnikov)  
Rostovskogo meditsinskogo instituta.  
(BILE DUCTS--CANCER)

SHORLUYAN, P.M.

SHORLUYAN, P.M., dotsent

Unusual localization of urethral cancer. Urologia 22 no.4:66-67  
Jl-Ag '57. (MIRA 10:10)

1. Iz kliniki fakul'tetskoy khirurgii (zav. - prof. B.Z.Gutnikov)  
Rostovskogo meditsinskogo instituta.  
(URETHRA, neoplasms,  
unusual case in aged male (Rus))

SHORLUYAN, P.M., dots.

Quick test modified by Pytel' and the phagocytic index in adenoma of the prostate. Urologia 22 no.6:39-44 M-D '57. (MIRA 11:2)

1. Iz kliniki fakul'tetskoy khirurgii (zav. - prof. B.Z.Gutnikov) Rostovskogo-na-Donu meditsinskogo instituta.

(POSTATE HYPERTROPHY, physiol.

Quick's hippuric acid synthesis test and phagocyte index)

(LIVER FUNCTION TESTS

Quick's hippuric acid synthesis test and phagocyte index in prostate hypertrophy)

(PHAGOCYTOSIS

phagocyte index in prostate hypertrophy, with Quick's hippuric acid synthesis test)

Shorluyan, P.M.  
SHORLUYAN, P.M., dots.

Fortieth year of Professor B.Z.Gutnikov's activities. Vest.khir.  
79 no.9:154-155 S '57. (MIRA 10:11)

(BIOGRAPHIES

Gutnikov, Boris Zin'evich)

SHORIDYAN, P.M., dots.

Morphology of the neural apparatus of the prostate in adenoma or cancer.  
Urologiia 24 no.3:44-48 My-Je '59. (MIRA 12:12)

1. Iz fakul'tetskoy khirurgicheskoy kliniki (zav. - prof. B.Z. Gutnikov) i kafedry gistologii i embriologii (zav. - prof. K.A. Lavrov) Rostovskogo-na-Donu meditsinskogo instituta.

(PROSTATE HYPERTROPHY, pathol.  
nerves (Rus))

(PROSTATE, neoplasms,  
nerve pathol. (Rus))

SHORLUYAN, P. M., Doc Med Sci -- (diss) "Materials on the morphology and clinical aspect of adenoma of the prostate gland." Moscow, 1960. 27 pp; (Ministry of Public Health USSR, Central Inst for Advanced Training of Physicians); 300 copies; price not given; list of author's work at end of text (12 entries); (KL, 27-60, 158)



SHORLUYAN, P.M., dotsent

Case of primary cancer of the epididymis. Urologiia 25 no.1:70  
Ja-F '60. (MIRA 15:6)

1. Iz kliniki fakul'tetskoy khirurgii (zav. - prof. B.Z.  
Gutnikov) Rostovskogo-na-Donu meditsinskogo instituta.  
(EPIDIDYMS--CANCER)

SHORLUIAN, P.M.

Case of fibroma of the epididymis and fibrolipoma of the spermatic  
cord. Urologia 25 no. 4:62-63 J1-Ag '60. (MIRA 14:1)  
(EPIDIDYMIS—TUMORS) (SPERMATIC CORD—TUMORS)

SHORLUYAN, P.M., dotsent (Rostov-na-Donu, 30-ya liniya, d.20)

Case of lipoma of the stomach. Vest.khir. no.7:118-120 '61.  
(MIRA 15:1)

1. Iz fakul'tetskoy khirurgicheskoy kliniki (zav. - prof.  
B.Z. Gutnikov) Rostovskogo-na-Donu meditsinskogo instituta.  
(STOMACH--TUMORS)

SHORLUYAN, P.M. (Rostov-na-Donu, Kravoshlykovskiy pereulok, d.2., kv.12);  
NEFEDOV, V.I.

Fluorescence microscopic study of bone preserved by the flowing  
method. Ortop., travm. i protez. 26 no.11:72-74 N '65.  
(MIRA 18:12)

1. Iz kafedry obshchey khirurgii (zav.- prof. P.M. Shorluyan)  
i tsentral'noy nauchno-issledovatel'skoy laboratorii (zav.- prof.  
B.A. Saakov) Rostovskogo meditsinskogo instituta.

SHORM, F.

CZECH

The effect of androgenic hormones on the activity of arginase and transamidase of the kidneys. F. Shorm and Yu. Shveltsar (Inst. Org. Chem. Czech. Acad. Sci., Prague). *Biokhimiya* 20, 241-8(1955).—In sexually immature and in castrated rats the activity of arginase under the influence of androgenic hormones is enhanced in both sexes, and in normal mature rats only in the males. Following castration the activity of transamidase is enhanced in the males. The administration of androgenic hormones to normal adult rats lowers the activity of transamidase in the male and has no effect on the transamidase level of the female.

B. S. Levine

SHORM, F., prof. (Chekhoslovatskaya Sotsialisticheskaya Respublika).  
SEVERIN, S.Ye.

"Three whales" of biochemistry. Nauka i zhizn' 28 no.11:33-40  
N '61. (MIRA 14:12)

(BIOCHEMISTRY)

SUKHI, M.; GEROUT, V.; SHORM, F.

Latest accomplishments in the chemistry of sesquiterpenes. Usp.-  
khim. 31 no.8:1004-1023 Ag '62. (MIRA 15:8)

1. Institut organicheskoy khimii i biokhimii Chekhoslavatskoy  
Akademii nauk.

(Sesquiterpenes)

MIKESH, O. [Mikes, O.]; TURKOVA, Ya.; SHORM, F. [Sorm, F.]

Methyluracil. Zhur.ob.khim. 32 no.10:3462 0 '62.  
(MIRA 15:11)

1. Institut organicheskoy khimii i biokhimii, Praga.  
(Uracil)



KAFKA, V. (Praga, 2-ya Sallovskaya, 10, Chekhoslovakiya); MUSIL,  
M. (Praga, Chekhoslovakiya); NOVOTNY, A. [Novotny, A.] (Praga,  
Chekhoslovakiya); PADOVED, I. [Padoved, J.] (Praga, Chekhoslovakiya);  
PIKHA, Z. [Picha, Z.] (Praga, Chekhoslovakiya); SHORM, F. [Sorm, F.]  
(Praga, Chekhoslovakiya)

Treatment of malignant neoplasms in female sex organs by means of  
6-azauracil. Vop onk. 8 no. 10:11-14 '62. (MIRA 17:7)

USSR/ Microbiology-Antibiosis and Symbiosis.  
Antibiotics

F-2

Abs Jour: Ref Zhur - Biol., No 6, 1958, 24135

Abstract: I for a period of 90 minutes inhibits by 80-90% their ability to oxidize guanylic and adenylic acids and by 60-90% their corresponding nucleosides. At the same time, the number of acid-soluble nucleotides and nucleosides increases in the cell and the quantity of DNA and RNA decreases by 30%, while the proportion of acid-soluble nucleotides and nucleosides to the quantity of RNA and DNA, which normally is 0.12, increases to 0.2. The changes herein described are absent when I acts on dormant bacterial cells. The authors assume that the mechanism of action of I is based not on competition with respiratory enzymes, but on a specific inhibition of enzyme biosynthesis, related to metabolism of nucleotides or nucleic acids.

Card 2/2

SHORMOVA, Z.; SHORM, F.; BAUYEROVA, Ya.; ZELINKOVA, M.

Stimulating action of 5-bromouracil on higher plants [with English summary in insert] Fiziol.rast. 3 no.3:204-207 My-Je '56.

(MLRA 9:9)

1. Biokhimicheskoye otdeleniye Khimicheskogo instituta Chekheslova-tskey Akademii nauk, Praga.

(Uracil) (Growth promoting substances)

SHORMOVA, Z.  
GRYUNBERGER, D. [Grünberger, D.]; SHORMOVA, Z. [Šormova, Z.]; SHORM, F.  
[Šorm, F.]

Effect of albomycin on oxidation processes and nucleic acid metabolism  
in Staphylococcus aureus and Escherichia coli [with summary in  
German]. Biokhimiia 22 no.1/2:148-153 Ja-F '57. (MIRA 10:7)

1. Biokhimicheskoye otdeleniye Khimicheskogo instituta Čechoslovatskoy  
akademii nauk, Praga.

(MICROCOCCUS PYOGENES, effect of drugs on,  
albomycin, on oxidation & nucleic acid metab. (Rus))

(ESCHERICHIA COLI, effect of drugs on  
same)

(ANTIBIOTICS, effects,  
albomycin on E.coli & Micrococcus pyogenes aureus  
oxidation & nucleic acid metab. (Rus))

(NUCLEIC ACIDS, metabolism,  
E.coli & Micrococcus pyogenes aureus, eff. of albomycin  
(Rus))

25(1)

PHASE I BOOK EXPLOITATION

SOV/1468

Merkulov, Vasilii Nikitovich, and Aleksey Ivanovich Shornikov,  
Adjusters at the Kuntsevo Platinum Needle Factory

Ot ruchnogo stanka k avtomatu (From Manually-operated Tools to Automatic Machinery) /Moscow/ Moskovskiy rabochiy, 1957. 75 p.  
(Series: Opyt novatorov moskovskikh predpriyatiy) 4,000 copies printed.

Ed.: S. Gurov; Tech. Ed.: I. Yegorova.

PURPOSE: This booklet on the introduction in the USSR of machines for making knitting needles is for the general reader.

COVERAGE: The booklet covers the development of machines for making knitting needles in the USSR. Achievements of Soviet engineers and inventors at the Kuntsevo Plant imeni KIM are praised and claimed to be superior to non-Soviet developments. The authors tell how a platinum needle was produced outside the Soviet Union and how Soviet designers produced it and improved on the machines for making needles. Photographs of workers at their machines accompany the text. There are no references.

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From Manually-operated Tools (Cont.)

SOV/1468

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SHORNIKOV, B.

Concerning N.P.Budnikov and others' article "Present status of methods  
for rating oil and gas test wells in the U.S.S.R. and means for  
improving them." Geol.nefti i gaza 6 no.3:63-3 of cover Mr '62.  
(MIRA 15:4)  
(Petroleum geology) (Gas, Natural--Geology) (Budnikov, N.P.)

SHORNIKOV, B. Ya.

AID P - 284

Subject : USSR/Engineering  
Card : 1/2  
Author : Shornikov, B. Ya.  
Title : Inconsistency in the structural surfaces of carbonic and mesozoic stratum and of the methods of preparation of areas for industrial survey and prospecting. (Structural example of the Saratov-Volga region)  
Periodical : Neft. Khoz., v. 32, #4, 46-51, Ap 1954  
Abstract : The author describes the general geological structure of the Russian platform and some particular modification at various regions especially near Saratov occurred at different geological periods. The description is illustrated by three structure contour maps plotted in accordance with data of the geological survey (seismographic method) and deep well drilling.  
The author gives his own interpretation of considerable shift of structure contours in different depths, shown on these maps, in contrast with the discussion of the



*SHORNIKOV, B. Ya.*

AID P - 500

Subject : USSR/Mining  
Card 1/1 Pub. 78 - 14/27  
Author : Shornikov, B. Ya.  
Title : Drilling of prospecting wells without selective sample core  
Periodical : Neft. Khoz., v. 32, #6, 50-52, Ju 1954  
Abstract : The author comments on the article "Drilling of prospective holes without selective sample core" by F. I. Levkin, published in Neft. Khoz., #8, 1953. The author proposes the drilling of two prospecting holes without sampling. The geological structure can be outlined by electrical sampling at different levels. The mechanical sampling in other prospecting holes can be coordinated at definite levels according to previously obtained data.  
Institution : None  
Submitted : No date

Shornikov, B. Ya.

AID P - 2097

Subject : USSR/Geology

Card 1/1 Pub. 78 - 10/24

Author : Shornikov, B. Ya.

Title : Geological structure of the Saratov Volga River region

Periodical: Neft. khoz., v.33, no.4, 49-51, Ap 1955

Abstract : Recently a systematic geological survey of the Saratov Volga River region was conducted by a group of Saratov geologists. Through test drillings the stratigraphical, lithological and phase study of this region was made. The author reports the main findings of the tectonic structure of this nappe from the point of view of the location of petroliferous rocks.

Institution: Names of many geologists are mentioned.

Submitted : No date

SHORNIKOV, B.Ya.; FEYGEL'SON, I.B..

Methods of developing certain oil fields. Neft.khoz. 34 no.11:47-  
48 N '56. (MIRA 10:1)

(Volga Valley--Oil fields)

SHORNIKOV, B.Ya.

Results of geological prospecting for oil and gas and trends for  
1961-1965 in the Volga Valley protion of Saratov Province.  
Geol.nefti i gaza 5 no.9:15-18 S '61. (MIRA 14:10)

1. Saratovskiy sovnarkhoz.  
(Saratov Province--Petroleum geology)  
(Saratov Province--Gas, Natural--Geology)

BROD. I.O.; BEGISHEV, F.A.; GABRIELIAN, A.G.; OVANESOV, G.P.; SEYFUL'-  
MULYUKOV, R.B.; SHORNIKOV, B.Ya.; SHPIL'MAN, I.A.; KHANIN, I.L.

Oil and gas potential of the Volga-Ural region, the lower  
Volga Valley, and the Caspian salt-dome region as parts of  
the northern Caspian oil- and gas-bearing basin. [Trudy]  
NILneftegaza no.10:5-16 '63. (MIRA 18:3)

1. Nauchno-issledovatel'skaya laboratoriya geologicheskikh kriteriyev  
otsenki perspektiv neftegazonosnosti; Upravleniya neftyanoy i gazovoy  
promyshlennosti Verkhne-Volzhskogo i Sredne-Volzhskogo sovetov  
narodnogo khozyaystva i i Orenburgskoye geologicheskoye upravleniye.

SEYFUL MUYUKOV, R.B.; LEVIN, L.E.; SAL'MAN, G.B.; SHORNIKOV, B.Ya.

Correlation of the basic structural elements of the central parts of the northern Caspian oil- and gas-bearing basin.  
[Trudy] NILneftegaza no.19:61-78 '63. (MIRA 18:3)

1. Nauchno-issledovatel'skaya laboratoriya geologicheskikh kriteriyev otsenki perspektiv neftegazonosnosti i Upravleniye neftyanoy i gazovoy promyshlennosti Privolzhskogo soveta narodnogo khozyaystva.

SHORNIKOV, F.M.

Production of peat fertilizers and litter by the "Volosovskoye"  
Collective-State Farm Peat Enterprise. Torf.prom. 37 no.4:22-25  
'60. (MIRA 13:7)

1. Volosovskoye torfopredpriyatiye.  
(Leningrad Economic Region--Peat)

KARAKIN, F.F.; RODICHEV, A.F.; PUTIY, G.P.; BASOV, A.P.; PYATAKOV, L.V.; RAUTSEP, A.P. [Rautsepp, A.]; BLAGONRAVCOV, S.I.; GRECHIKHO, A.M.; DRUZHININ, N.N.; SHUKHMAN, D.I.; BAUSIN, A.F.; LOYKO, P.G.; CHERNAKOV, B.A.; SHORNIKOV, F.M.; SOPIN, P.F.

Remarks of the members of the Conference. Torf. prom. 37 no.5:  
(MIRA 14:10)  
22-28 '60.

1. Ivanovskiy gosudarstvennyy torfotrest (for Karakin).
2. Sverdlovskiy torfotrest (for Rodichev).
3. Gosplan USSR (for Putiy).
4. Leningradskiy gosudarstvennyy trest torfyanoy promyshlennosti (for Basov).
5. Moskovskiy oblastnoy sovnarkhoz (for Pyatakov).
6. Gosudarstvennyy nauchno-tekhnicheskii komitet Estonskoy SSR (for Rautsep).
7. Ger'kovskiy sovnarkhoz (for Blagonravov).
8. Belorusskiy sovnarkhoz (for Grechikho, Shukhman).
9. Yaroslavskiy sovnarkhoz (for Druzhinin).
10. Bobruyskaya mashinno-meliorativnaya stantsiya (for Loyko).
11. Gipromestprom Gosplana RSFSR (for Chernakov).
12. Mezhholkhozhnoye torfopredpriyatiye "Volosovskoye" Leningradskoy oblasti (for Shornikov).
13. Vsesoyuznyy nauchno-issledovatel'skiy institut torfyanoy promyshlennosti (for Sopin).  
(Peat industry)



SHORNIKOV, P. N.

BELOGAY, V.M.

25(1) 4-3 PAPER I BOOK EXPLOITATION 807/1440  
 Mashino-tekhnicheskoye obshchestvo mashinostroitel'noy  
 promyshlennosti. Leningradskoye obshchestvo privatelye  
 Lit'ya porybnoy tekhnologii (High-precision Casting) Moscow,  
 Mashizis, 1958. 196 p. (Series: Ista Shornik, No. 15)  
 7,000 copies printed.  
 M.M. L.N. Shornik, Tech. Ed.; L.Y. Shornikov, Managing Ed. for  
 Literature on Machine-building Technology (Leningrad Division,  
 Mashizis); Ye. P. Mamonov, Engineer.  
 PURPOSE: This book is intended for engineers and technicians at  
 factories and planning and research institutes.  
 COVERAGE: The book contains the transactions of a special  
 conference called in November, 1956, by the Leningrad Oblast  
 Administration of the Mashino-tekhnicheskoye obshchestvo  
 (Scientific and Technical Society of the Machine-building  
 Industry). The articles describe advanced techniques used in  
 Cast 1/3

High-precision Casting 807/1440  
 Sobolev, A.D. Experience Gained in the Production of  
 Large Pressure Castings 150  
 Kvashinobik, N.L. Experience Gained in Press Die  
 Casting 156  
 Mednikov, S.G., and B.N. Trofimov. Press Die Casting 168  
 Belonov, N.N., and A.A. Dodonov. Production of Castings  
 With the Aid of Station 176  
 Shornikov, P.N. Production of Casting Molds by Pressing  
 in Hydraulic Presses 185  
 Vishnyakov, N.V. Increasing the Precision of Castings  
 Made in Sand Molds 190

AVAILABLE: Library of Congress 80/7/3  
 5-5-59

Cast 2/3

SHORNIKOV, P.N.

Making molds by pressing on hydraulic presses. [ Izd. ] LONITOMASH  
45:185-189 '58. (MIRA 11:6)  
(Molding (Founding)) (Hydraulic presses)

PHASE I BOOK EXPLOITATION

SOV/4590

6.7.8  
Karpivnitskiy, Nikolay Nikolayevich, Aleksandr Mikhaylovich Kucher,  
Raissa Viktorovna Pugacheva, and Petr Nikolayevich Shornikov

Tekhnologiya metallov (Metals Technology) Moscow, Mashgiz, 1960. 499 p.  
Errata slip inserted. 40,000 copies printed.

Reviewers: N. A. Malyshev, Engineer, and K. P. Surin, Engineer; Ed.: V. A. Elyumberg, Candidate of Technical Sciences; Eds. of Publishing House: A. I. Varkovetskaya, and M. A. Chfas; Tech. Ed.: A. I. Kontorovich; Managing Ed. for Literature on Machine-Building Technology (Leningrad Department, Mashgiz): Ye. P. Naumov, Engineer.

PURPOSE: This textbook is intended for engineering trade school students.

COVERAGE: The textbook presents the material covered in the course on metals technology as established in the engineering trade educational program and approved by the Gosudarstvennyy Komitet Soveta Ministrov SSSR po professional'no-tekhnicheskomu obrazovaniyu (State Committee of the Council of Ministers USSR for trade and technical education). The fundamentals of physical metallurgy are analyzed.

Card 1/12

SOV/4590

Metals Technology

Casting, pressworking, soldering, brazing, welding, cutting, bench working and electrical machining of metals are discussed. Concise information on nonmetallic materials, including plastics, is also given. The text describes various metal-cutting machine tools. No personalities are mentioned. There are no references.

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Card 2/12

SOV/4590

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Metal Technology

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Card 7/18

KROPIVNIITSKIY, Nikolay Nikolayevich; KUCHER, Aleksandr Mikhaylovich;  
PUGACHEVA, Raisa Viktorovna; SHORNIKOV, Petr Nikolayevich;  
MALYSHEV, N.A., inzh., retsenzent; SURIN, K.P., inzh.,  
retsenzent; BLYUMBERG, V.A., kand. tekhn. nauk, red.;  
VORKOVETSKAYA, A.I., red. izd-va; CHFAS, M.A., red. izd-va;  
KONTOROVICH, A.I., tekhn. red.

[Technology of metals] Tekhnologiya metallov. [By] N.N. Kro-  
pivnitskii i dr. Moskva, Mashgiz, 1962. 499 p.  
(MIRA 15:9)

(Metals)

(Metalwork)

KROPIVNITSKIY, N.N.; KUCHER, A.M., kand. tekhn. nauk;  
PUGACHEVA, R.V.; SHORNIKOV, P.N.; BYCHKOV, P.P., kand.  
tekhn. nauk, retsenzent; MALYSHEV, N.A., inzh., retsenzent

[Technology of metals] Tekhnologiya metallov. [By] N.N.  
Kropivnitskii i dr. Izd.2., perer. i dop. Moskva, Izd-vo  
"Mashinostroenie," 1964. 502 p. (MIRA 17:8)



BERZIN, A. K.; VILORENTS, G. Ch.; SULIN, V. V.; SHORNIKOV, S. I.

"Gamma-activation analysis of rock samples."

report presented at Symp on Radiochemical Methods of Analysis, Salzburg, Austria,  
19-23 Oct 64.

1 8377-65 ENT(m)/ZNA(h) ASD(a)-S/REKL  
ACCESSION NR: AR4044031

S/0058/63/COO/011/VO22/VO22

SOURCE: Ref. zh. Fizika, Abs. 11V153

AUTHOR: Berzin, A. K.; Meshcheryakov, R. P.; Shornikov, S. I.; Yakovlev, B. M.

TITLE: The connection between the width of the giant resonance of the  $(\gamma, n)$ -reaction and filling of the energy levels of the nucleus

CITED SOURCE: Izv. Tomskogo politekhn. in-ta, v. 122, 1962, 14-18

TOPIC TAGS: isotope, threshold energy, giant resonance

TRANSLATION: Measures the threshold energies for certain isotopes of the Mo and Nd nuclei. Threshold energies in the  $(\gamma, n)$ -reaction for the isotopes Mo<sup>92</sup>, Mo<sup>94</sup>, Mo<sup>100</sup>, Nd<sup>142</sup>, and Nd<sup>150</sup> are determined by the method of induced activity, and for the isotopes Mo<sup>97</sup> and Nd<sup>145</sup>—by the method of direct neutron registration. The values of the threshold energies of the other isotopes were determined while processing the general curve of the yield of photoneutrons from all isotopes of a given element. It is shown that for isotopes each containing 8 neutrons above the filled shell

Card 1/2

L 8377-65

ACCESSION NR: AR4044031

there are observed somewhat too high values of the threshold energies of the  $(\gamma, n)$ -reaction. There were also studied cross sections of the  $(\gamma, n)$ -reactions for isotopes of La, Ce, and Pr<sup>141</sup>, Nd, Nd<sup>142</sup>, and Nd<sup>150</sup>. The authors note that the insignificant difference in the widths of the giant resonances for the Nd<sup>150</sup> isotope and nuclei having a filled neutron shell indicates slight deformation of the Nd<sup>150</sup> nucleus, since strongly deformed nuclei have high values for the giant resonance width. From this fact (together with data on the thresholds of the  $(\gamma, n)$ -reaction) the authors conclude that for the Nd<sup>150</sup> isotope there is no filling of the  $2f_{7/2}$  level or realization of any other configuration.

SUB CODE: NP

ENCL: 00

Card 2/2

SHORNIKOV V.

Kazakhstan - goats

Kazakhstan goats. Mol. Kolkh. 19 No. 4, 1952.

Monthly List of Russian Accessions, Library of Congress, August 1952, Unclassified.

SHUMIKOV, V. G.

SHUMIKOV, V. G. - "Investigation of the Operation of the Mixer in a Bottledgas Automobile." Kiev Automobile and Highway Inst, Min of Higher Education USSR, Kiev, 1955  
(*Dissertations for Degree of Candidate of Technical Sciences*)

for Candidate of Sciences No. 15, June 1955, Moscow

NESTIC, A.I., SHORNIKOV, V.P.

Aneurysm of the descending thoracic aorta. Vrach.delo no.6:631  
Je '58 (MIRA 11:7)

1. Kafedra gospiatal'noy terapii (zav. - prof. Ye.I. TSukershteyn)  
Karagandinskogo meditsinskogo instituta i Karagandinskoy oblastnoy  
klinicheskoy bol'nitsy.  
(AORTIC ANEURYSMS)

L 55961-65 EWT(m)/EPF(c)/EPF(n)-2/EPR/T/EWP(t)/EWP(b)/EWA(c) Pr-L/Ps-L/Pu-L

TJP(c) JD/WW/JW/JG

ACCESSION NR: AP5009368

UR/0363/65/091/002/0261/0203

546.34'161+546.831'161

AUTHOR: Korenev, Yu. M.; Novoselova, A. V.; Glinskiy, K. K.; Shornikov, V. V.

TITLE: Study of the lithium fluoride-zirconium tetrafluoride system

SOURCE: AN SSSR. Izvestiya. Neorganicheskiye materialy, v. 1, no. 2, 1965, 201-203

TOPIC TAGS: lithium fluoride, zirconium tetrafluoride, phase diagram, thermal analysis, x ray diffraction analysis

ABSTRACT: The  $\text{LiF-ZrF}_4$  system was investigated by the differential thermal analysis and x-ray diffraction. Lithium fluoride and ammonium fluorozirconate were used for preparing the mixtures. After the removal of ammonium fluoride by distillation the specimens were placed in a platinum crucible with a tightly fitting cover and put into a furnace, which had been preheated above the melting point of the composition. Following melting the cooling curves were recorded. The gravimetric analysis indicated an insignificant loss of zirconium during the recording of the cooling curves. The phase diagram of the  $\text{LiF-ZrF}_4$  system is shown in fig. 1 of the Enclosure. Three compounds were found in this system:  $\text{Li}_4\text{ZrF}_8$ ,  $\text{Li}_3\text{ZrF}_7$  and  $\text{Li}_2\text{ZrF}_6$ .

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L 55961-65

ACCESSION NR: AP5009368

It was established that  $\text{Li}_3\text{ZrF}_8$  is stable as a solid up to  $464^\circ\text{C}$ .  $\text{Li}_3\text{ZrF}_7$  exists above  $474^\circ\text{C}$ . It melts congruently at  $640^\circ\text{C}$ . It was found that  $\text{Li}_2\text{ZrF}_6$  is formed according to the peritectic reaction: melt  $\xrightarrow{570^\circ} \text{Li}_2\text{ZrF}_6$ . Orig. art. has: 1 figure.

ASSOCIATION: Khimicheskiy fakul'tet Moskovskogo gosudarstvennogo universiteta im. M. V. Lomonosova (Chemistry Department, Moscow State University)

SUBMITTED: 24Oct64

ENCL: 01

SUB CODE: IC, SS

NO REF SOV: 002

OTHER: 004

Card 2/3



SHORNIKOV, Ye.

Program control of a thermal system. Radio no.6:39-40 Je '61.  
(MIRA 14:10)

(Automatic control)  
(Electronics—Equipment and supplies)

SHORNIKOV, Ye.A.

The LTASh-58 miniature electric moisture meter. Der.prom. 8  
no.4:25 Ap '59. (HIRA 12:6)  
(Moisture--Measurement)

SHORNIKOV, Ye.A. (Leningrad)

Miniature electric hygrometer. Prom. stroi. 37 no.11:52-53 N '59.  
(MIRA 13:2)

(Hygrometry)

SHORNIKOV, Ye.A., inzh.

Calculation of specific gravity and of volume of steam.

Teploenergetika 12 no.1:93-94 Ja '65.

(MIRA 18:4)

1. Tsentral'nyy kotloturbinnyy institut.

SHORNIKOV, Ye.I.

Distinguishing Caspian elements in the Ostracoda fauna of the  
Azov-Black Sea basin. Zool. zhur. 43 no.9:1276-1293 '64.

(MIRA 17:11)

1. Kafedra zoologii Donskogo sel'skokhozyaystvennogo instituta,  
Novocherkassk.

SHORNIKOVA, A.F., inzh.; KURDIYAYEV, B.S., inzh.

Industrial tests of the SVS-25 classifier with coal preparation  
in a "fluidized" bed. Ugol' 37 no.2:37-40 F '60.

(MIRA 15:2)

1. Karagandagiproshakht.

(Separators(Machines))

(Coal preparation)

DZHINCHVELASHVILI, K. P.; TISHCHENKO, K. I.; SHORNIKOVA, A. S.

Putting into operation and adjustment of a new ore dressing  
plant of the "Chiaturamarganets" Trust, Obog. rud. 7 no.6:  
29-36 '62. (MIRA 16:4)

1. Trest "Chiaturmarganets" (for Dzhinchvelashvili).
2. Mekhanobrchermet (for Tishchenko, Shornikova).

(Chiatura region—Ore dressing)

ROSKIN, G.I.; SHORNIKOVA, M.V.; OPARIN, A.I., akademik.

Histochemical differences in sensory and motor nerve cells. Dokl. AN SSSR 93  
no. 2: 349-352 N '53. (MLRA 6:10)

1. Akademiya nauk SSSR (for Oparin).

(Nerves)



SHORNIKOVA, M. V.

USSR/ Biology - Neurology

Card : 1/1

Authors : Roskin, G. I., Zhirnova, A. A., and Shornikova, M. V.

Title : Comparative histo-chemistry of sensitive cells of spinal ganglia and motor cells of the spinal cord

Periodical : Dokl. AN SSSR, 96, Ed. 4, 821 - 832, June 1954

Abstract : Nerve cells of various functional types can be characterized, not only morphologically, but also histo-chemically, which was proved by the study of the sensitive cells of spinal ganglia and motor cell of the spinal cord. The histo-chemical differences in an entire series of protoplasmatic components were not only of quantitative, but also of cyto-topographic order. Another significant moment is that the differences between two types of nerve cells pertain not only to the cytoplasm, but also to the nucleus. Two references.

Institution : The M. V. Lomonosov State University, Moscow, USSR

Presented by: Academician A. I. Abrikosov, April 5, 1954

SHORNIKOVA, M.V.

Comparative histochemical investigation of the sulfhydryl  
groups in smooth muscle. TSitologiya 2 no.3:325-336 My-Je  
'60. (MIRA 13:7)

1. Kafedra gistologii Moskovskogo universiteta.  
(MERCAPTO GROUP) (MUSCLE)

SHORNIKOVA, M.V. (Moskva, Ye-94, Gospital'nyy val, 5, korp.18, kv.360)

Comparative histochemistry of the glycogen in the smooth  
musculature of various invertebrates and vertebrates. Arkh.  
anat. gist.i embr. 39 no.9:44-52 S '60. (MIRA 14:1)

1. Kafedra gistologii (zav. - prof. A.N. Studitskiy) Moskovskogo  
gosudarstvennogo universiteta.  
(MUSCLES) (GLYCOGEN)

SHORNIKOVA, M. V., CAND BIO SCI, <sup>II</sup> COMPARATIVE HISTOCHEMISTRY  
OF THE SMOOTH MUSCLES. " MOSCOW, 1961. (ACAD SCI USSR. INST OF  
MORPHOL <sup>64</sup> OF ANIMALS IN A. N. SEVERTSOV). (KL, 2-61, 206).

-103-

SHAIKI EL'-FIKI; SHORNIKOVA, M.V.

Succinic dehydrogenase cytoenzymology in brown-Pearce tumor cells.  
Biul.eksp.biol.i med. 57 no.5:80-82 My '64.

(MIRA 18:2)

1. Kafedra tsitologii i gistologii (zav. - prof. G.I.Roskin  
[deceased]) Moskovskogo gosudarstvennogo universiteta imeni  
Lomonosova. Submitted May 25, 1963.

SHORNIKOVA, M.V.

Cytochemistrу of DFN-H and TPN-H-tetrazolium reductases in  
the secretory cells of the mammary gland. Dokl. AN SSSR  
158 no.1:196-198 5-0 '64 (MIRA 17:8)

1. Moskovskiy gosudarstvennyy universitet. Predstavleno aka-  
demikom Ye.N. Pavlovskim.

SHORNIKOV, A.N.; SHAKH EL' FIZI

Cytochemical study of acid phosphatase in the cells of the Brown-Pearce tumor and its metastases. Vop. onk. 11 no.4:56-61 '65.  
(MIRA 18:8)

1. Iz kafedry tsitologii i gistologii Moskovskogo gosudarstvennogo universiteta (zav. - prof. G.I. Reskin).

C. A. SHORNIKOVA, N. M.

12

Significance of the carbohydrate moiety in evaluation of quality of dry-fruit grades of figs. V. I. Rogachev and N. M. Shornikova. *Biokhimiya Plodov i Oroskhetel Shornik* No. 1, 124-31 (1940).—Examination of much material indicates the following chem. content necessary for high-grade fig material: sugar over 75%, pectin over 3.5%, starch not over 1.1%, cellulose not over 5.0%. For 2nd-grade product: sugar not less than 66%, pectin not less than 1.5%, starch not over 1.7%, cellulose not over 7%. The above figures are based on dried figs, with calcn. on abs. dry wt. An increase of the quality factors by 5-10% is called for in evaluation of fresh fruit. G. M. Kosolapoff -



CA

SHORNIKOVA, N. M.

/2

Biochemical processes during ripening and wilting of fig fruit structures. V. I. Rogachev, N. M. Shornikova, and L. I. Grintser. *Biokhimiya Plodov i Osvetitel'skiy Zhurnal* No. 1, 135-149 (1949).—The best product for production of dried figs is obtained when the wilting can proceed spontaneously on the tree. During this process an intensive loss of  $H_2O$  occurs, with some loss of sugars and pectins, as a result of continuing metabolism. However, the rapid loss of  $H_2O$  actually causes a rise of concn. of the metabolites. There does not appear to be any change in cell permeability at this stage, and the nutritive properties and taste of the fruit are not lost. The content of EtOH and AcH increases during ripening, with a drop during wilting. Some varieties display a peak of EtOH content in mid-ripening; most of them, however, show smooth change at the beginning of wilting.  
G. M. Kosolapoff

SHORNIKOVA, N.

Chemical Abst.  
Vol. 48 No. 8  
Apr. 25, 1954  
Food

Amino acid content of preserved meat. V. Grzhivo and N. Shornikova (All-Union Sci. Research Inst. Cannery Ind., Moscow, *Prilozheniya Ind. S.S.S.R.* 24, No. 6, 59-61(1953).—Data are presented for the amt. of arginine, histidine, lysine, methionine, cystine, tyrosine, and tryptophan in various Russian canned pork, beef, and mutton, and of sausage products. One chart shows the original amino acid content of the raw meat and of samples of the same meat after canning in No. 9 cans and sterilization at 120°. The aggregate loss of amino acids was about 15% of that originally present. Pork was quite stable. M. M. P.

SHORNIKOVA, N.M.

✓ An accelerated method for the determination of oils in  
canned vegetables. V. S. Grzhivo and N. M. Shornikova  
(All-Union Sci. Research Inst. Canning Ind., Moscow).  
Vsesoyuz. Nauch.-Issledovatel. Inst. Konserv. Prom., Refer-  
aty Nauch. Rabot 1954, No. 2, 29-30. — The method consists  
in filtering an av. sample, treating the filtrate with  $\text{Na}_2\text{CO}_3$ ,  
and a gasoline which boils between 200 and 220°, taking an  
aliquot of the fat soln., evapg. it in a glycerol bath, and  
weighing the fat or oil. Werner Jacobson

2/

GRZHIVO, V.S., kandidat tekhnicheskikh nauk; SHORNIKOVA, N.M., kandidat  
biologicheskikh nauk.

Composition of amino acids in canned foods. Trudy VNIIP no.3:  
76-87 '54. (MLRA 9:8)  
(Food--Analysis) (Amino acids)

GRZHIVO, V.S.; SHORNIKOVA, N.M.

New extraction-weighing method for determining fat content in  
canned food. Kons. i ov. prom. 12 no.1:39-42 Ja '57. (MLRA 10:5)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut konservnoy i  
ovoshchesushil'noy promyshlennosti.  
(Food--Analysis) (Canning industry--Equipment and supplies)

SHORNIKOVA, N.M.

Improve the quality of pickled tomatoes. Kons. i ov. prom. 14  
no.4:9-10 Ap '59. (MIRA 12:5)

1.Ukrainskiy nauchno-issledovatel'skiy institut ovoshchevodstva i  
kartofelya.  
(Tomatoes--Preservation)

SHORNIKOVA, N.M.

Content of organic acids in pickled and soured vegetables.  
Kons. i ov. prom. 14 no.7:28-29 JI '59. (MIRA 12:9)

1. Ukrainskiy nauchno-issledovatel'skiy institut ovoshchevodstva  
i kartofelya.  
(Vegetables--Preservation) (Acids, Organic)

SHORNIKOVA, N.M.; NAKONECHNAYA, G.F.; YAKOVLEVA, S.G.

Chemical and technological testing of cabbage varieties.  
Kons.1 ov.prom. 14 no.12:18-20 D '59. (MIRA 13:3)

1. Ukrainskiy nauchno-issledovatel'skiy institut ovoshchevod-  
stva i kartofelya.  
(Cabbage--Varieties)



SHORNIKOVA, N.M.

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lands. Kons.i ov.prom. 15 no.3:34-35 Mr '60. (MIRA 13:6)

1. Ukrainskiy nauchno-issledovatel'skiy institut ovoshchevodstva  
i kartofelya.  
(Vegetable Gardening)

SHORNIKOVA, N.M.; GRUSHKO, M.F.

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15 no.10:16-19 0 '60. (MIRA 13:10)

1. Ukrainskiy nauchno-issledovatel'skiy institut ovoshchevodstva  
i kartofelya.

(Rhubarb)

SHORNIKOVA, Nina Mitrofanovna; MILOKOSTA, N.Ya., red.; SAVCHENKO,  
M.S., tekhn. red.

[Processing of vegetables on collective and state farms] Pererobka ovochiv v kolhspakh i radhospakh. Kyiv, Derzh. vyd-vo sil's'kohospodars'koi lit-ry URSR, 1961. 270 p. (MIRA 15:2)  
(Vegetables)

SHORNIKOVA, N.M.; MEDVEDEVA, A.S.

New varieties of tomatoes for preservation. Kons.i ov.prom. 16  
no.1:29-31 Ja '61. (MIRA 13:12)

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(Tomatoes--Varieties)

SHORNIKOVA, N.M.

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1. Ukrainskiy nauchno-issledovatel'skiy institut ovoshchevodstva  
i kartofelya.

(Sauerkraut)

TKACHENKO, F.A.; SHORNIKOVA, N.M.

Varieties of onion for canning. Kons.i ov.prom. 16 no.5:26-28  
My '61. (MIRA 14:5)

1. Ukrainskiy nauchno-issledovatel'skiy institut ovoshchevodstva  
i kartofelya.  
(Onions) (Canning and preserving)

SHORNIKOVA, N.M.

[Processing of vegetables on collective and state farms]  
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(MIRA 16:8)

(Vegetables)

SHORNIKOVA, N.M.

Enlarged session of the Central Degustation Council. Kons.1 ov.  
prom. 18 no.1:42-45 Ja '63. (MIRA 16:2)  
(Food, Canned---Testing)



SHORNIKOVA, N.M.; ANOKHINA, V.I.; YAKOVLEVA, S.G.

Chemical and technological testing of the varieties of white cabbage. Kons. i ov.prom. 18 no.9:23-26 S '63. (MIRA 16:9)

1. TSentral'nyy nauchno-issledovatel'skiy institut konservnoy i ovoshchesushil'noy promyshlennosti (for Shornikova). 2. Ukrainskiy nauchno-issledovatel'skiy institut ovoshchevodstva i kartofelya (for Anokhina, Yakovleva).

(Cabbage--Analysis and chemistry)

LEVITOV, M.M.; TOVAROVA, I.I.; GOTOVTSEVA, V.A.; CHERNOSVITOVA, V.I.;  
SHORNIKOVA, O.V.

Fermentative production of 6-aminopenicillanic acid from benzylpenicillin.  
Antibiotiki 7 no.5:415-421 My '62. (MIRA 15:4)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut antibiotikov i  
Institut khimii prirodnkh soyedineniy AN SSSR.  
(PENICILLIN) (PENICILLANIC ACID)

TOWAROVA, I.I.; SHORNIKOVA, O.V.; LEVITOV, M.M.

Study of the process of the formation of 6-aminopenicillanic acid during the fermentative hydrolysis of benzylpenicillin. Antibiotiki 7 no.5:421-429 My '62. (MIRA 15:4)

1. Institut khimii prirodnkh soedineniy AN SSSR.  
(PENICILLANIC ACID) (PENICILLIN)

SHORNIKOVA, V.A.

Clinical symptoms in myeloma. Sov.med. 17 no.12:30-31 D '53.  
(MLRA 6:12)

1. Iz kliniki nervnykh bolezney Chelyabinskogo meditsinskogo  
instituta (direktor G.D.Obratsov).

(Tumors)